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At page 4, line 24, after "G-L-S-G-S", please insert -- (SEQ ID NO:2)--.

At page 6, line 3, after "sequence found in", please insert --SEQ ID NO:1 and in--.

At page, 13, line 28, after "(residues 16-138", please insert -- of SEQ ID NO:1--.

At page, 13, line 29, after "139-143", please insert -- of SEQ ID NO:1--.

At page, 14, line 29, after "434 to 456", please insert -- of SEQ ID NO:1--.

At page, 17, line 21, after "(residues 370 to 548", please insert -- of SEQ ID NO:1--.

At page, 18, lines 2-3, after "(the third region is the C-terminus, residues 728-749)", please insert -- of SEQ ID NO:1--.

At page, 19, line 5, after "residues 413-457", please insert -- of SEQ ID NO:1--.

At page, 19, line 6, after "Residues 408-412", please insert -- of SEQ ID NO:1--.

At page, 19, line 8, after "residues 434-456", please insert -- of SEQ ID NO:1--.

At page, 19, line 6, after "Residues 408-412", please insert -- of SEQ ID NO:1--.

At page, 25, lines 13-14, after "residues ~190-232", please insert -- of SEQ ID NO:1--.

At page, 34, line 11, after "(residues 1-749", please insert -- of SEQ ID NO:1--.

**RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT
APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID
SEQUENCE DISCLOSURES**

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In accordance with 37 C.F.R. § 1.82, Applicants submit herewith substitute pages 53-56 which contain a Sequence Listing for the above-referenced application. Applicants have also amended the specification to refer to the Sequence Listing and to include substitute pages 53-56. AUG 18 2000
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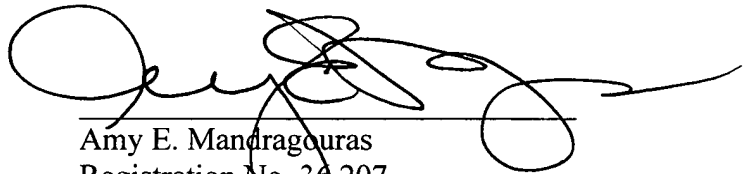
In addition, Applicants have submitted herewith a computer-readable form (diskette) of this sequence which is identical in substance to the Sequence Listing on pages 53-56 submitted herewith.

No new matter has been added to the application. Accordingly, as the above amendments do not affect the issue of patentability, it is respectfully requested that they be entered.

CONCLUSION

If a telephone conversation with Applicant's Attorney would expedite the prosecution of the above-identified application, the Examiner is urged to call Applicant's Attorney at (617) 227-740.

Respectfully submitted,



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